

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-16 (Canceled)

17. (New) A complex immuno-gene medical composition for inhibiting tumor cells producing TGF- β , comprising a therapeutically effective amount of a plasmid comprising a DNA sequence of SEQ ID NO: 1 encoding IL-6 and a therapeutically effective amount of a plasmid comprising a DNA sequence of SEQ ID NO: 3 encoding IL-15.

18. (New) The medical composition of claim 17, wherein the tumor cells express low or no MHC.

19. (New) The medical composition of claim 17, wherein the composition inhibits the tumor cells by antagonizing TGF- β and enhancing cytotoxicity of NK cells.

20. (New) The medical composition of claim 17, wherein the tumor is CTVT.

21. (New) The medical composition of claim 17, wherein the plasmid is a pcDNA3.1/V5-His-TOPO vector.

22. (New) A method for inhibiting growth of tumor cells producing TGF- β , comprising administering a therapeutically effective amount of a complex immuno-gene medical composition to an individual in need thereof to activate NK cells and enhance cytotoxicity of the NK cells, and wherein the complex immuno-gene medical composition comprises a plasmid comprising a DNA sequence of SEQ ID NO: 1 encoding IL-6 and a plasmid comprising a DNA sequence of SEQ ID NO: 3 encoding IL-15, the plasmid is a pcDNA3.1/V5-His-TOPO vector, and the medical composition is administered by muscle electroporation *in vivo*.

23. (New) The method of claim 22, wherein the tumor cells express low or no MHC.

24. (New) The method of claim 22, wherein the tumor is CTVT.

25. (New) The method of claim 22, wherein the individual is a mammal.

26. (New) The method of claim 22, wherein the individual is a canine.

27. (New) The method of claim 22, wherein the individual is a rodent.